

## APPLICATION DATA SHEET

## APPLICATION INFORMATION

Application Type::	REGULAR
Subject Matter::	UTILITY
CD-ROM or CD-R?::	NONE
Title::	HEAT EXCHANGER
Attorney Docket Number::	283530US90PCT
Total Drawing Sheets::	20

## INVENTOR INFORMATION

Applicant Authority Type::	INVENTOR
Primary Citizenship Country::	Japan
Status::	FULL CAPACITY
Given Name::	Naohisa
Family Name::	HIGASHIYAMA
City of Residence::	Oyama-shi
State or Province of Residence::	Tochigi
Country of Residence::	Japan
Street of Mailing Address::	c/o SHOWA DENKO K.K., OYAMA REGIONAL OFFICE, 480, Inuzuka 1- chome
City of Mailing Address::	Oyama-shi
State or Province of Mailing Address::	Tochigi
Country of Mailing Address::	Japan
Postal or Zip Code of Mailing Address::	323-8678
Applicant Authority Type::	INVENTOR
Primary Citizenship Country::	Japan
Status::	FULL CAPACITY
Given Name::	Sumitaka
Family Name::	WATANABE
City of Residence::	Oyama-shi
State or Province of Residence::	Tochigi
Country of Residence::	Japan
Street of Mailing Address::	c/o SHOWA DENKO K.K., OYAMA REGIONAL OFFICE, 480, Inuzuka 1- chome
City of Mailing Address::	Oyama-shi
State or Province of Mailing Address::	Tochigi
Country of Mailing Address::	Japan
Postal or Zip Code of Mailing Address::	323-8678

Applicant Authority Type:: INVENTOR  
 Primary Citizenship Country:: Japan  
 Status:: FULL CAPACITY  
 Given Name:: Shinobu  
 Family Name:: YAMAUCHI  
 City of Residence:: Oyama-shi  
 State or Province of Residence:: Tochigi  
 Country of Residence:: Japan  
 Street of Mailing Address:: c/o SHOWA DENKO K.K., OYAMA  
 REGIONAL OFFICE, 480, Inuzuka 1-  
 chome  
 City of Mailing Address:: Oyama-shi  
 State or Province of Mailing Address:: Tochigi  
 Country of Mailing Address:: Japan  
 Postal or Zip Code of Mailing Address:: 323-8678

#### CORRESPONDENCE INFORMATION

Correspondence Customer Number:: 22850

#### REPRESENTATIVE INFORMATION

Representative Customer Number:: 22850

#### DOMESTIC PRIORITY INFORMATION

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	National Stage of	PCT/JP04/10069	07/08/04
PCT/JP04/10069	Non-Provisional of	60/486,898	07/15/03
PCT/JP04/10069	Non-Provisional of	60/486,897	07/15/03

#### FOREIGN PRIORITY INFORMATION

Application Number:	Country::	Filing Date::	Priority Claimed::
2003-272043	Japan	07/08/03	YES
2003-272057	Japan	07/08/03	YES

#### ASSIGNMENT INFORMATION

Assignee Name:: SHOWA DENKO K.K.  
 Street of Mailing Address:: 13-9, Shiba Daimon 1-chome, Minato-ku  
 City of Mailing Address:: Tokyo  
 Country of Mailing Address:: JAPAN  
 Postal or Zip Code of Mailing Address:: 105-8518